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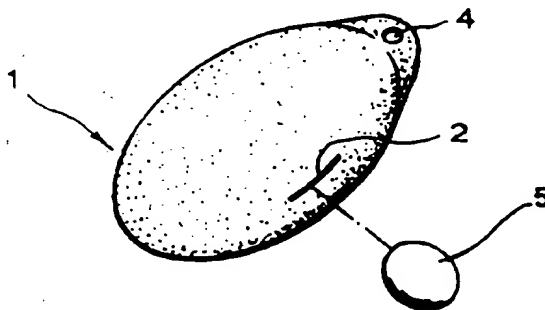
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(54) Title: SOAP SHAPED ELASTIC POROUS ARTIFICIAL MATERIALS USED WITH SMALL SIZED SOAP



(57) Abstract

The present invention relates to a soap shaped elastic porous artificial materials (1) used with small sized soap (5) having good airing and water-permeability. The soap can be conveniently and completely used without any loss or waste regardless of the size of the soap since the soap can be used, contained in the soap shaped materials and soaked out of the porous materials.

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## SOAP SHAPED ELASTIC POROUS ARTIFICIAL MATERIALS USED WITH SMALL SIZED SOAP

### Background of the Invention

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This invention relates to a soap shaped case and more particularly to a soap shaped case made of elastic porous artificial material to keep small sized solid soap therein and to improve the utility of the soap.

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Generally, the solid soap is the most widely used one in various types of soap, but has disadvantages that it can not be used completely, which is different from liquid or powder soap. Also, the solid type soap is apt to be dissolved away by use and by water even when it is not used. Accordingly, after many

15 times of use the volume of the soap becomes too small to grasp and the soap can not help being wasted.

20

Conventional soap cases in the form of dish, however, have disadvantages that they can not prevent the soap from being dissolved in the standing or flowing water which has flown through the apertures of the cases and are fragile since they are made of synthetic plastic.

### Summary of the Invention

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It is, accordingly, an object of the invention to overcome the disadvantages of the conventional soap cases by providing soap shaped elastic porous artificial materials which contain one

or more cakes of solid soap therein.

It is another object of the invention to provide soap shaped elastic porous artificial materials in which one or more cakes of small sized solid soap can be used without being drawn  
5 out regardless of the size of the soap, so that the soap can be conveniently and completely consumed without waste even when the soap is too large or small to grasp.

It is another object of the invention to provide soap shaped elastic porous artificial materials used with small sized  
10 soap which keep the soap dry so as to prevent the soap contained therein from being dissolved in water before and after use and to reduce the loss of the soap due to the water.

#### Brief Description of the Drawings

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The invention will now be described by way of example with reference to the accompanying drawings, in which:

Fig. 1 is a perspective view showing soap shaped elastic porous artificial materials used with small sized soap according to  
20 a preferred embodiment of the present invention;

Fig. 2 is a partially cut away view showing the internal structure of the soap shaped elastic porous artificial materials used with small sized soap of Fig. 1;

Fig. 3A to Fig. 3C are views respectively showing further  
25 examples of the various shapes of the solid soap to be contained in the soap shaped elastic porous artificial materials according to the present invention; and

Fig. 4 is a partially cut away view showing soap shaped elastic porous artificial materials used with small sized soap according to another preferred embodiment of the present invention.

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#### Description of the Preferred Embodiment of the Invention

Referring to Fig. 1 and Fig. 2, soap shaped elastic porous artificial materials used with small sized soap according to the present invention are made of elastic porous material having good airing and water-permiability, and comprise a body 1 formed in various shapes, for example, circle, ellipse, triangle or square, and the body 1 includes one or more input openings through which one or more cakes of soap 5 are put inside the body 1, and one or more rings through which the soap shaped whole body is hanged. for example, in a bathroom. One or more chambers 3 may be formed in the body 1. The body 1 is formed in a certain size and shape for a user to grasp it easily. In the body 1, one or more soap chambers 3 are provided to contain one or more cakes of soap 5 and these soap chambers 3 are led to one or more soap input openings 2 through which the soap 5 is put into the chambers 3. This body 1 is maintained hanged on the rack by means of the ring 4 formed on a predetermined portion of the body 1.

Referring to Fig. 3, the soap 5 is preferably small enough to be put in the chamber like candy. The size, shape and color of the body 1 and the ring 4 are variable according to the kind

of the soap 5, so that the user can easily distinguish the soap by this soap shaped materials.

According to the present invention, the conventional plastic soap cases are not necessary any more to accommodate the soap, and the soap can be used conveniently even when the soap becomes small not enough to grasp, since the users do not have to touch the soap directly. Also, the loss or waste of the soap due to the water can be greatly reduced, since the soap is soaked out of the porous materials to be used.

As described above, the soap shaped elastic porous artificial materials used with small sized soap according to the present invention is made of elastic porous meterial having good airing and water-permiability, so that the soap can be conveniently and completely used without any loss or waste regardless of the water or size of the soap since the soap can be used contained in the soap shaped elastic porous artificial materials which maintain original size and shape constantly.

It will be appreciated by persons skilled in the art that numerous variations and/or modifications may be made to the invention as shown in the specific embodiments without departing from the spirit or scope of the invention as broadly described. The present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive.



What is claimed is:

1. Soap shaped elastic porous artificial materials used with small sized soap comprising a soap shaped body which is made of elastic porous material having good airing and water-permiability and one or more cakes of solid soap being contained in the body.

2. Soap shaped elastic porous artificial materials used with small sized soap according to claim 1, wherein one or more chambers are provided in the body to contain the solid soap and each of the chambers is led to one or more soap input openings through which the solid soap are put into the chambers.

3. Soap shaped elastic porous artificial materials used with small sized soap according to claim 1, wherein at least one ring is provided at a predetermined end of the body for hanging up the soap shaped whole body.

4. Soap shaped elastic porous artificial materials used with small sized soap according to claim 1 or claim 2, wherein the size of the soap chambers and the soap input openings are determined by the size of the soap contained therein, and the size, shape and color of the body, ring and soap are variable according to the kind of the soap.

1 / 2

FIG. 1

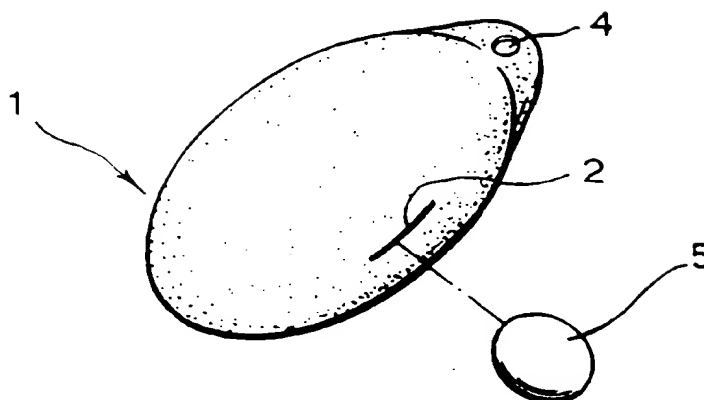
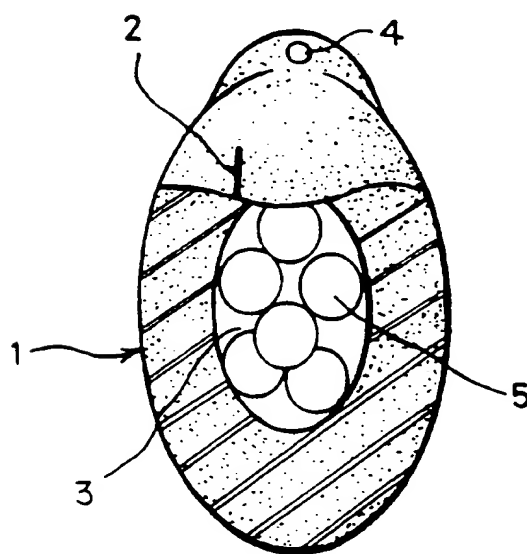


FIG. 2



2 / 2

FIG.3A



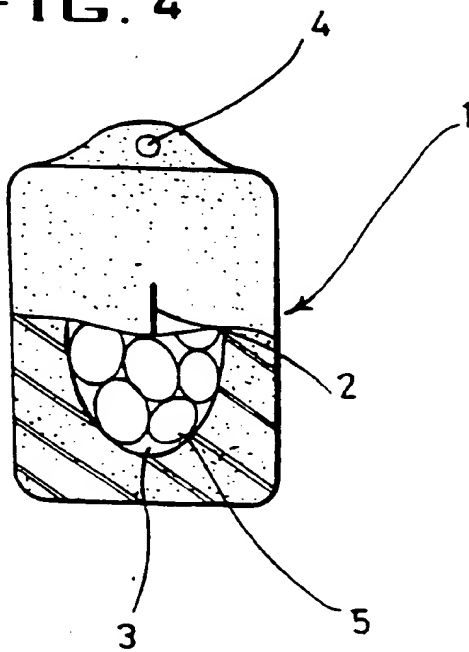
FIG.3B



FIG.3C



FIG. 4



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR 95/00106

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>6</sup>: A 47 K 7/03

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>6</sup>: A 47 K 5/00, 7/00; B 65 D 37/00, 83/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 913 808 A (HILL) 21 October 1975 (21.10.75), totality.	1,2
A	US 5 230 446 A (VAIDA) 27 July 1993 (27.07.93), fig. 1-10.	1
A	DE 19 52 033 A (BLANKSCHEIN) 29 April 1971 (29.04.71), totality.	1
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US A 4913808	21-10-75	keine - none - rien	
US A 5250148	27-07-93	keine - none - rien	
DE A 1952077	09-04-71	keine - none - rien	

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